

Title (en)
UPLINK POWER CONTROL METHOD, BASE STATION AND USER EQUIPMENT

Title (de)
UPLINK-LEISTUNGSSTEUERVERFAHREN, BASISSTATION UND BENUTZERGERÄT

Title (fr)
PROCÉDÉ DE COMMANDE DE PUISSANCE EN LIAISON MONTANTE, STATION DE BASE ET ÉQUIPEMENT UTILISATEUR

Publication
EP 2725853 A1 20140430 (EN)

Application
EP 11866257 A 20110803

Priority
CN 2011077956 W 20110803

Abstract (en)
An uplink power control method, a base station, and a user equipment are disclosed. A method provided in an embodiment of the present invention includes: sending, by a user equipment, uplink test signaling to transceivers for serving the user equipment, so that the transceivers calculate receive power of the uplink test signaling by testing the uplink test signaling; receiving, by the user equipment, the receive power of the uplink test signaling and transmit power of a common reference signal from the transceivers; receiving and testing, by the user equipment, the CRS sent by the transceivers to obtain receive power of the reference signal; calculating, by the user equipment, uplink path losses on paths between the user equipment and the transceivers according to the receive power of the uplink test signaling, the transmit power of the common reference signal, and the receive power of the reference signal; calculating, by the user equipment, an aggregate path loss according to the uplink path losses on paths between the user equipment and the transceivers; and calculating, by the user equipment, uplink transmit power according to the aggregate path loss.

IPC 8 full level
H04W 52/14 (2009.01); **H04W 52/10** (2009.01); **H04W 52/24** (2009.01); **H04W 52/40** (2009.01); **H04W 52/46** (2009.01)

CPC (source: EP KR US)
H04W 52/14 (2013.01 - KR); **H04W 52/146** (2013.01 - EP US); **H04W 52/24** (2013.01 - KR); **H04W 52/242** (2013.01 - EP US); **H04W 52/46** (2013.01 - EP US); **H04W 52/10** (2013.01 - EP US); **H04W 52/40** (2013.01 - EP US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2725853 A1 20140430; **EP 2725853 A4 20140430**; **EP 2725853 B1 20180117**; BR 112014002188 A2 20170301; CN 103535085 A 20140122; CN 103535085 B 20170201; KR 20140032497 A 20140314; RU 2559835 C1 20150810; US 2014141832 A1 20140522; US 9661584 B2 20170523; WO 2012159364 A1 20121129

DOCDB simple family (application)
EP 11866257 A 20110803; BR 112014002188 A 20110803; CN 2011077956 W 20110803; CN 201180001897 A 20110803; KR 20147003591 A 20110803; RU 2014107472 A 20110803; US 201414164938 A 20140127